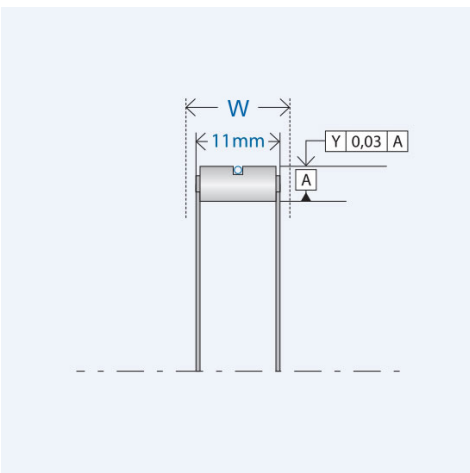
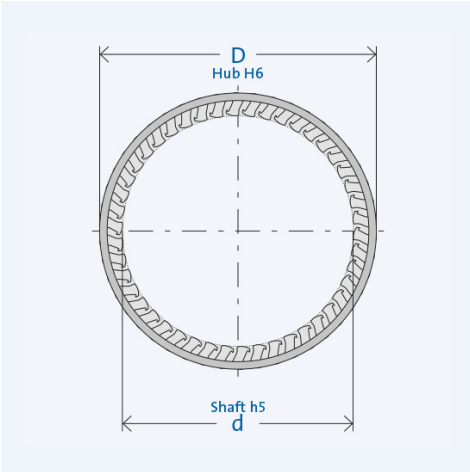


# Insert Element FE 463 Z



Item number 300497

## Components

|                         |                                       |
|-------------------------|---------------------------------------|
| <b>Freewheel clutch</b> | <b>Insert Element FE 400 Z</b>        |
| · Spring                | Tension spring (Z)                    |
| · Cage                  | Stamped steel/ Plastic (PA)           |
| · Sprags                | Hardened bearing steel                |
|                         | Start gap height $h_0 = 4 \text{ mm}$ |

## Key values

|                        |            |
|------------------------|------------|
| Ø Shaft d:             | 55 mm      |
| Ø Hub D:               | 63 mm      |
| Installed width W:     | 12 mm      |
| Torque $T_{nom}$ :     | 393 Nm     |
| Speed $n_{max}$ :      | 2900 rpm   |
| Number of sprags:      | 61         |
| Weight:                | 0.0318 kg  |
| Operating temperature: | max. 140°C |

## Lubrication

Oil or grease lubrication  
 Delivered with corrosion protection.  
 Operative grease filling on request.

## Installation

### Installation tolerances

Shaft h5; hub H6

### Inner ring/shaft

Steel, HRC 60<sup>+4</sup> (HV 700<sup>+100</sup>); Eht ≥ 1,3 mm; Rz ≤ 2,5 μm

### Outer ring/housing

Steel, HRC 60<sup>+4</sup> (HV 700<sup>+100</sup>); Eht ≥ 1,3 mm; Rz ≤ 2,5 μm

### Constraints

The freewheel clutch insert element requires axial constraints on both sides.

### Mating parts

Hardening and grinding of the mating parts is necessary. Chamfered shafts and hubs ease installation.

### Bearing

Freewheel clutch insert elements are not self-centering. External bearing support to define the gap between mating parts (Shaft and housing) is necessary.